

Table 5.47-- ESTIMATED NUMBER OF SPECIES IN HAWAII: 1996 TO 1999

[Excludes viruses and bacteria]

Category	Species			
	1996	1997	1998	1999
Total in Hawaii and surrounding waters	22,077	22,462	23,187	23,150
Endemic to Hawaii	8,805	8,864	9,176	9,246
Nonindigenous protists, fungi, plants, and animals	4,573	4,598	4,831	5,047

Source: A. Allen, S. E. Miller and G. M. Nishida, "Hawaii Biological Survey: a model for the Pacific Region", *Marine and Coastal Biodiversity in the Tropical Island Pacific Region*, Volume I (1995): 349-355, East-West Center and Pacific Science Association, Honolulu; L. G. Eldredge and S. E. Miller, "How many species are there in Hawaii?", *Bishop Museum Occasional Papers* 41 (1995): 3-18; L. G. Eldredge and S. E. Miller, "Numbers of Hawaiian species: Supplement 2, including a review of freshwater invertebrates", *Bishop Museum Occasional Papers* 48 (1997): 3-22; L. G. Eldredge and S. E. Miller, "Numbers of Hawaiian species: Supplement 3, with notes on fossil species", *Bishop Museum Occasional Papers* 55 (1998): 3-15; L. G. Eldredge, "Numbers of Hawaiian species: Supplement 4", *Bishop Museum Occasional Papers* 58 (1999): 72-78; Bishop Museum, records.